CLAIMS

What is claimed is:

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1	1.	A patio awning lock mechanism comprising:		
2		a roller tube assembly; and		
3		a weather shield provided over at least a portion of the roller tube		
4	asser	assembly;		
5		wherein the weather shield is selectively engageable with the roller tube		
6	assembly to prevent rotation of the roller tube assembly.			
1	2.	The patio awning lock mechanism of claim 1, further comprising a disk		
2	gear	coupled to the roller tube assembly.		
1	3.	The patio awning lock mechanism of claim 2, further comprising a disk		
2	gear	gear catch coupled to the weather shield and selectively engageable with the		
3	disk gear to prevent rotation of the roller tube assembly.			
1	4.	The patio awning lock mechanism of claim 1, further comprising a pivot		
2	bracket rotatably coupled to the weather shield.			
1	5.	The patio awning lock mechanism of claim 4, wherein the pivot bracket		
2	has a	has an angular shape with first and second mounting apertures located at		
3	oppos	sing ends of the pivot bracket.		
1	6.	The patio awning lock mechanism of claim 4, further comprising a pivot		
2	rod to	rotatably couple the pivot bracket to the weather shield.		

The patio awning lock mechanism of claim 4, wherein the pivot bracket is

coupled to a support arm in a non-rotatable manner.

- 1 8. The patio awning lock mechanism of claim 4, wherein the pivot bracket is coupled to the roller tube assembly in a non-rotatable manner.
- 1 9. The patio awning lock mechanism of claim 1, further comprising an end
- 2 cap provided on an end portion of the roller tube assembly, the end cap having a
- 3 projection that abuts with a disk gear.
- 1 10. The patio awning lock mechanism of claim 9, wherein the disk gear is
- 2 integrally formed with the end cap.
- 1 11. The patio awning lock mechanism of claim 1, further comprising a disk
- 2 gear having a plurality of circumferentially spaced teeth about a periphery of the
- disk gear such that a disk gear catch can engage the disk gear at one or more
- 4 stops formed between the circumferentially spaced teeth.
- 1 12. The patio awning lock mechanism of claim 11, wherein the disk gear catch
- 2 includes a straight portion to engage the disk gear and an arcuate portion that
- 3 corresponds with a curvature of the weather shield such that the disk gear catch
- 4 can be secured to the weather shield.
- 1 13. The patio awning lock mechanism of claim 1, further comprising a spring
- 2 to bias the lock mechanism into a locked position.
- 1 14. The patio awning lock mechanism of claim 1, wherein the weather shield
- 2 includes a lip portion to facilitate grasping and pivoting of the weather shield.
- 1 15. A patio awning lock mechanism comprising:
- 2 a pair of support arms;
- a roller located between top ends of the support arms:

4		a weather shield provided over a portion of the roller; and		
5		a pivot bracket having an angular shape, wherein a first portion of the		
6	pivot b	pivot bracket is rotatably coupled to the weather shield and a second portion of		
7	the pivot bracket is fixably coupled to one of the support arms.			
1	16.	The patio awning lock mechanism of claim 15, further comprising a disk		
2	gear p	provided between the pivot bracket and the roller.		
1	17.	The patio awning lock mechanism of claim 16, further comprising a disk		
2	gear c	atch secured to the weather shield and operable to engage the disk gear.		
1	18.	The patio awning lock mechanism of claim 15, further comprising a torsion		
2	spring	to bias the pivot bracket and weather shield into a locked position.		
1	19.	The patio awning lock mechanism of claim 15, wherein the weather shield		
2	includes a lip portion to facilitate grasping and pivoting of the weather shield by a			
3	user.			
1	20.	A patio awning lock mechanism comprising:		
2		a roller;		
3		a weather shield provided over a portion of the roller;		
4		lock means coupled to the roller and operable to rotate with the roller; and		
5	engag	engaging means coupled to the weather shield and operable to engage the lock		

means to retain a patio awning in a retracted or extended position.